

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A liquid jetting apparatus comprising;
a container-setting portion at which a liquid container is set, the liquid container having a liquid chamber that contains liquid, and a second liquid chamber that contains second liquid, the second liquid being different from the liquid,
a head member having a nozzle,
a liquid way that can communicate with the liquid chamber of the liquid container set at the container-setting portion and the nozzle,
a second liquid way that can communicate with the second liquid chamber of the liquid container set at the container-setting portion and the second nozzle,
a liquid discharging unit that can cause the liquid to be discharged from the nozzle, ~~and~~
a second liquid discharging unit that can cause the second liquid to be discharged from the second nozzle, and
a liquid discharging controller that can control the liquid discharging unit based on information about sedimentation-property of the liquid in the liquid chamber and information about sedimentation-state of the liquid in the liquid chamber-, and that can control the second liquid discharging unit based on information about sedimentation-property of the second liquid in the second liquid chamber and information about sedimentation-state of the second liquid in the second liquid chamber.

2. (currently amended): A liquid jetting apparatus according to claim 1, further comprising a clock component that knows a present time, and
a sedimentation-state acquiring unit that can acquire the information about sedimentation-state of the liquid in the liquid chamber, and the information about sedimentation-state of the second liquid in the second liquid chamber,

wherein

the information about sedimentation-state of the liquid in the liquid chamber is information about a point of time that is a standard for judgment of the sedimentation-state, the information about sedimentation-state of the second liquid in the second liquid chamber is also the information about a point of time that is a standard of judgment of the sedimentation-state,

the liquid discharging controller has:

a calculating part that can calculate a passed time until the present time based on the information about a point of time that is a standard for judgment of the sedimentation-state, and

a main controlling part that can control the liquid discharging unit and the second liquid discharging unit based on the passed time.

3. (original): A liquid jetting apparatus according to claim 2, wherein:
the point of time that is a standard for judgment of the sedimentation-state is a point of time when the liquid container was manufactured.

4. (original): A liquid jetting apparatus according to claim 3, wherein:
the information about the point of time when the liquid container was manufactured is a date when the liquid container was manufactured.

5. (original): A liquid jetting apparatus according to claim 2, wherein:
the point of time that is a standard for judgment of the sedimentation-state is a point of time when the liquid container was set at the container-setting portion.

6. (original): A liquid jetting apparatus according to claim 5, wherein:
the information about the point of time when the liquid container was set at the container-setting portion is stored in a storage unit provided in the liquid container, and
the sedimentation-state acquiring unit is adapted to read out the information stored in the storage unit.

7. (original): A liquid jetting apparatus according to claim 2, wherein:
the point of time that is a standard for judgment of the sedimentation-state is a point of time when the liquid was jetted previous time.

8. (original): A liquid jetting apparatus according to claim 2,
wherein:
the point of time that is a standard for judgment of the sedimentation-state is a point of time when the liquid container was stirred previous time.

9. (currently amended): ~~A liquid jetting apparatus according to claim 2,~~
A liquid jetting apparatus comprising;
a container-setting portion at which a liquid container is set, the liquid container having a
liquid chamber that contains liquid,
a head member having a nozzle,
a liquid way that can communicate with the liquid chamber of the liquid container set at
the container-setting portion and the nozzle,
a liquid discharging unit that can cause the liquid to be discharged from the nozzle, and
a liquid discharging controller that can control the liquid discharging unit based on
information about sedimentation-property of the liquid in the liquid chamber and information
about sedimentation-state of the liquid in the liquid chamber,
a clock component that knows a present time, and
a sedimentation-state acquiring unit that can acquire the information about sedimentation-
state of the liquid in the liquid chamber,
wherein
the information about sedimentation-state of the liquid in the liquid chamber is
information about a point of time that is a standard for judgement of the sedimentation-state,
the liquid discharging controller has:
a calculating part that can calculate a passed time until the present time based on the
information about a point of time that is a standard for judgement of the sedimentation-state, and

a main controlling part that can control the liquid discharging unit based on the passed time

wherein:

a liquid-consumption totaling unit that can total a liquid consumption from the nozzle,
and

a liquid-end determining unit that can determine a liquid end based on the information about a point of time that is a standard for judgment of the sedimentation-state and the liquid consumption.

10. (original): A liquid jetting apparatus according to claim 9, wherein:

the liquid-end determining unit has:

a calculating part that can calculate a passed time until the present time based on the information about a point of time that is a standard for judgment of the sedimentation-state, and

a main determining part that can determine the liquid end based on the passed time.

11. (original): A liquid jetting apparatus according to claim 10, wherein:

the main determining part is adapted to determine the liquid end correspondingly to a smaller liquid consumption when the passed time is longer.

12. (original): A liquid jetting apparatus according to claim 1, wherein:

the liquid discharging unit is a cleaning unit that can cause the liquid to be absorbed from the nozzle.

13. (original): A liquid jetting apparatus according to claim 1, wherein:
the liquid discharging unit is a flushing unit that can cause the liquid to be jetted from the nozzle.

14. (original): A liquid jetting apparatus according to claim 1,
wherein:
the liquid container contains the liquid by containing a foam material filled with the liquid.

15. (original): A liquid jetting apparatus according to claim 1, wherein:
the liquid contained in the liquid container is ink including pigment.

16-40. (canceled).

41. (previously presented): A liquid jetting apparatus comprising;
a container-setting portion at which a liquid container is set, the liquid container having a liquid chamber that contains liquid;
a head member having a nozzle;
a liquid way that can communicate with the liquid chamber of the liquid container set at the container-setting portion and the nozzle;
a liquid discharging unit that can cause the liquid to be discharged from the nozzle;

a liquid discharging controller that can control the liquid discharging unit based on information about sedimentation-state of the liquid in the liquid chamber;

a clock component that knows a present time;

a sedimentation-state acquiring unit that can acquire the information about sedimentation-state of the liquid in the liquid chamber;

a liquid-consumption totaling unit that can total a liquid consumption from the nozzle, and

a liquid-end determining unit that can determine a liquid end based on the information about a point of time that is a standard for judgement of the sedimentation-state and the liquid consumption

and the liquid discharging controller further having:

a calculating part that can calculate a passed time until the present time based on the information about a point of time that is a standard for judgement of the sedimentation-state, and

a main controlling part that can control the liquid discharging unit based on the passed time;

wherein

the information about sedimentation-state of the liquid in the liquid chamber is information about a point of time that is a standard for judgement of the sedimentation-state.

42. (previously presented): A liquid jetting apparatus according to claim 41, wherein:
the liquid-end determining unit further includes:

a calculating part that can calculate a passed time until the present time based on the information about a point of time that is a standard for judgement of the sedimentation-state, and
a main determining part that can determine the liquid end based on the passed time.

43. (previously presented): A liquid jetting apparatus according to claim 42, wherein:
the main determining part is adapted to determine the liquid end correspondingly to a smaller liquid consumption when the passed time is longer.

44-46 (canceled).

47. (previously presented): ~~A liquid jetting apparatus according to claim 46,~~
A liquid jetting apparatus comprising:
a container-setting portion at which a liquid container is set, the liquid container having a
liquid chamber that contains liquid and a storage that stores information about sedimentation-
state of the liquid in the liquid chamber, the liquid including a sinkable constituent,
a head member having a nozzle,
a liquid way that can communicate with the liquid chamber of the liquid container set at
the container-setting portion and the nozzle, and
a sedimentation-state acquiring unit that can acquire the information about sedimentation-
state of the liquid in the liquid chamber from the storage unit,
and wherein

the information about sedimentation-state of the liquid in the liquid chamber is
information about a point of time that is a standard for judgement of the sedimentation-state,
and wherein
the point of time that is a standard for judgement of the sedimentation-state is a point of
time when the liquid container was stirred previous time,
a clock component that knows a present time, and
a calculating part that can calculate a passed time until the present time based on the
information about a point of time that is a standard for judgment of the sedimentation-state,
a liquid discharging unit that can cause the liquid to be discharged from the nozzle, and
a main controlling part that can control the liquid discharging unit based on the passed
time

wherein:

the main controlling part is adapted to control the liquid discharging unit when the liquid container is replaced with a new liquid container in such a manner that a volume of the liquid to be initially discharged is larger when the passed time calculated based on the information about sedimentation-state of the liquid in the liquid chamber of the new liquid container set at the container-setting portion is longer.

48. (previously presented): ~~A liquid jetting apparatus according to claim 44, further comprising~~

A liquid jetting apparatus comprising:

a container-setting portion at which a liquid container is set, the liquid container having a liquid chamber that contains liquid and a storage that stores information about sedimentation-state of the liquid in the liquid chamber, the liquid including a sinkable constituent,

a head member having a nozzle,

a liquid way that can communicate with the liquid chamber of the liquid container set at the container-setting portion and the nozzle, and

a sedimentation-state acquiring unit that can acquire the information about sedimentation-state of the liquid in the liquid chamber from the storage unit,

and wherein

the information about sedimentation-state of the liquid in the liquid chamber is information about a point of time that is a standard for judgement of the sedimentation-state,

and wherein

the point of time that is a standard for judgement of the sedimentation-state is a point of time when the liquid container was stirred previous time,

a liquid discharging unit that can cause the liquid to be discharged from the nozzle, and

a main controlling part that can estimate the sedimentation-state based on the information about a point of time that is a standard for judgment of the sedimentation-state and information about easiness of sedimentation of the sinkable constituent in the liquid, and that can control the liquid discharging unit based on the estimated sedimentation-state.

49-51. (canceled).

52. (currently amended): A liquid jetting apparatus comprising:

a container-setting portion at which a liquid container is set, the liquid container having a liquid chamber that contains liquid; and a second liquid chamber that contains second liquid, the second liquid being different from the liquid,

a head member having a nozzle and a second nozzle,

a liquid way that can communicate with the liquid chamber of the liquid container set at the container-setting portion and the nozzle,

a second liquid way that can communicate with the second liquid chamber of the liquid container set at the container-setting portion and the second nozzle,

a liquid discharging unit that can cause the liquid to be discharged from the nozzle, ~~and~~
a second liquid discharging unit that can cause the second liquid to be discharging from the second nozzle, and

a liquid discharging controller that can control the liquid discharging unit based on information about sedimentation- property of the liquid in the liquid chamber, and that can control the second liquid discharging unit based on information about sedimentation-property of the second liquid in the second liquid chamber.